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Att mey Docket Nur	nber	MBX 025 DIV			
First Nam d Inv nt	r	Gjalt W. Huisman			
COMPLETE IF KNOWN					
Application Number	09	/ 456,940			
Filing Date	Dec	ember 7, 1999			
Group Art Unit	164	3			
Examiner Name			· · · ·		
	First Nam d Inv nt COMPL Application Number Filing Date Group Art Unit	COMPLETE II Application Number 09 Filing Date Decorate Group Art Unit 1643	First Nam d Inv nt r Gjalt W. Huism COMPLETE IF KNOWN Application Number 09 / 456,940 Filing Date December 7, 1999 Group Art Unit 1643		

As a below named inven	tor, I hereby declare that:					
My residence, post office	address, and citizenship are	as stated below next to my	name.			
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF BIOMATERIALS						
the specification of which	(Title	e of the Invention)				
is attached hereto OR ■ was filed on (MM/DD/YYYY) 12/07/1999 as United States Application Number or PCT International						
Application Number 09/4	56,940 and wa	as amended on (MM/DD/Y	YYY)		(if applicable).	
I hereby state that I have re	eviewed and understand the ent specifically referred to abo	contents of the above ident	tified specification	n, including the cl	aims, as	
• •	disclose information which is		defined in 37 CF	R 1.56.		
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.						
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop	py Attached? NO	
			0000	0000	0000	
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:						
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.						
Application Number	r(s) Filing Date	e (MM/DD/YYYY)				
60/079,938	03/30/1998		numb supple	onal provisiona ers are listed or emental priority SB/02B attache	n a data sheet	
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[Page 1 of 2]

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Robert A				42,73		i						
Kevin W.	. King			12,75	,	l						
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Name of So	ole or f	irst Inventor:			_	☐ A peti	tion	has been	filed fo	r this u	ınsigned inve	entor
Gi	ven Nar	me (first and middle	(if any))			Family Name or Surname						
	Gjal	t W.	. - 1			Huisman						
Inventor's Signature			1	7							Date	3 3 00
Residence: (City	San Carlos		State	CA	Countr	,	US			Citizenship	NL
Post Office A	ddress	3370 Brittan	Aven	ue #1	18							
Post Office A	ddress											
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Additional	invento	rs are being named	on the	1 81	ınnlemen	al Additions	at to	ventor(e)	sheet(s)	PTO	SB/02A attac	hed heret

PTC/SB/02A (3-97)
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DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>l</u> of <u>l</u>								
Name of Addition	nal Joint Inventor, if a	nv:				7 A netii	tior	n has been file	ed for #	nie une	inned in	ventor
	me (first and middle (if an		1		Τ -		U ()	Family Na				Ventor
I	aura Z.							Luo				
Inventor's Signature	los lu	ند								Da	te	4/12/200
Residence: City	Laport		State	TX		Countr	y	US		Citizer	nship	CN
Post Office Address	3331 Luella, Ap	t. #	4 4102	2								
Post Office Address												
City	Laport		State	TX		ZIP	7	7571	Country	, US		
Name of Addition	nal Joint Inventor, if a	al Joint Inventor, if any: A petition has been filed for this unsigned inventor										
Given Na	me (first and middle [if an	y])			Family Name or Surname							
Oli	Oliver P.				Peoples							
Inventor's Signature										С	ate	
Residence: City	Arlington		State	MA		Country	, [US		Citiz	enship	GB
Post Office Address	27 Radcliffe Ro	ad										
Post Office Address												
City	Arlington		State	M	A	ZIP		02474	Coun	try	US	
Name of Addition	nal Joint Inventor, if ar	ny:] A petit	ion	n has been file	d for th	is unsi	gned in	ventor
Given Na	me (first and middle (if an	y])			Family Name or Surname							
Inventor's Signature											ate	
Residence: City			State			Country	\int			Citiz	enship	
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DECLARATION				ADDITIONAL INVENTOR(S) Supplem ntal Sh et Page 1 of 1						
F		7								
Name of Addition	nal Joint Inventor, if any	<u>: </u>	<u></u>		A petitio	on has been file	ed for th	his unsigne	ed in	ventor
Given Na	me (first and middle [if any])					Family Na	me or	Sumame		
L	aura Z.					Luo				
Inventor's Signature								Date		
Residence: City	Laport	State	TX		Country	US		Citizenshi	р	CN
Post Office Address	3331 Luella, Apt.	#4102	2		·					
Post Office Address										
City	Laport	State	TX		ZIP	77571	Countr	US		
Name of Addition	nal Joint Inventor, if any:						ventor			
Given Na	me (first and middle [if any])					Family Na	me or	Surname		
Oli	ver P.					People	es			
Inventor's Signature	Oluk	Pr	1					Date		2/28/00
Residence: City	Arlington	State	MA	c	Country	US		Citizens	hip	GB
Post Office Address	27 Radcliffe Road	<u> </u>								
Post Office Address			-							
City	Arlington	State	MA	١	ZIP	02474	Cour	ntry US	3	
Name of Addition	nal Joint Inventor, if any	\cdot			A petitio	n has been file	ed for th	nis unsigne	d inv	ventor
Given Na	me (first and middle [if any])					Family Na	me or S	Sumame		
Inventor's Signature								Date		
Residence: City		State			Country			Citizens	hip	
Post Office Address										
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz, Tillman U. Gerngross and

Oliver P. Peoples

Serial No:

09/456,940

Art Unit:

1652

Filed:

December 7, 1999

Examiner:

R. Hutson

For:

"MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF

BIOMATERIALS"

Assistant Commissioner for Patents

Washington, D. C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND REVOCATION OF PRIOR POWERS

Sir:

As owner of the entire interest of the above-identified patent application, all powers of attorney previously given are hereby revoked and the following attorneys and agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Patrea L. Pabst Rivka Monheit Zhaoyang Li Registration No. 31,284 Registration No. P-48,731 Registration No. 46,872

Please send all correspondence relating to the above-identified patent application to:

Patrea L. Pabst
HOLLAND & KNIGHT LLP
One Atlantic Center
1201 West Peachtree Street
Suite 2000
Atlanta, Georgia 30309-3400

(404) 817-8473 - Telephone (404) 541-4489 - Telefax

470557v1

MBX 025 DIV

U.S.S.N. 09/456,940
Filed: December 7, 1999
Power of Attorney by Assignee of
Interest and Revocation of Prior Powers

The undersigned signatory (whose title is supplied below) is empowered to act on behalf of the assignee identified below, and has reviewed all the documents in the chain of title of the patent application and, to the best of undersigned's knowledge and belief, title is in the assignee.

Metabolix, Inc.

Bv:

Name:

R. P. PEUPLES

Title:

e: VPR& 1

Date: 1424 10, 200

ATL1 #470657 v1.

4.7055701

MBX 035 DIV

PTO/SB/96 (6-88)
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STATEMENT UNDER 37 CFR 3.73(b)
Gjelt W. Huisman, Laura A. Luo, Danlel M. Horowitz, Tilman U. Gerngross and Applicant/Patent Owner: Oliver P. Peoples
Application No./Patent No.: 09/456,940 Filed/Issue Date: December 7, 1999
Entitled: MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF BIOMATERIALS
Metabolix, Inc. Corporation
(Name of Applicate) (Typo of Application, o.g., corporation, pannership, university, government againcy, stc.)
states that it is:
1. X the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest
In the patent application/patent identified above by virtue of either.
A. (x) An assignment from the inventor(s) of the patent application/petent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010479, Frame 0082, or for which a copy thereof is attached.
OR '
B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
1. From:
2. From: To:
The document was recorded in the Petent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
3. From:
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[] Additional documents in the chain of title are listed on a supplemental sheet.
[] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.
7/10/01 Cle // Signature VLIVER P. PEBPLES Typed or printed name
Date Signature
Typed or printed name
VPKDD
Title

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NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HUISMAN, GJALT W.

DOC DATE: 04/19/1999

ASSIGNOR:

LUO, LAURA Z.

DOC DATE: 05/12/1999

ASSIGNOR:

HOROWITZ, DANIEL M.

DOC DATE: 06/16/1999

ASSIGNOR:

GERNGROSS, TILLMAN U.

DOC DATE: 07/19/1999

ASSIGNOR:

PEOPLES, OLIVER P.

DOC DATE: 06/16/1999

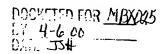
ASSIGNEE:

METABOLIX, INC. 303 THIRD STREET CAMBRIDGE, MASSACHUSETTS 02142

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PATENT DEPT.



010473/0082 PAGE 2

SERIAL NUMBER: 09456940

PATENT NUMBER:

FILING DATE: 12/07/1999

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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date Month Day Year
Name (line 1) Huisman, Gjalt W.	04191999
Name (line 2)	Execution Date
Second Party	Month Day Year
Name (line 1) Luo, Laura Z.	05121999
Name (line 2)	
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Name Patrea L. Pabst, Esq.		
Address (line 1) Arnall Golden & Gregor	y, LLP	
Address (line 2) 2800 One Atlantic Cente	r	
Address (line 3) 1201 West Peachtree Str	eet	
Address (line 4) Atlanta, GA 30309-3450		
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Fee Amount

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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Authorization to charge additional fees:

Deposit Account X

Kevin W. King

Name of Person Signing

Signature

Enclosed X

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Dec. 7,1999

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Reg. No.: 42,737

01-2507

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	Conveying Parties	Mark if addit	ional names of conveying	parties attached	Execution (A)
					Month Day Year
Name (line 1)	Horowitz, Daniel M.				06161999
Name (line 2)					
L					Execution Date
Name (line 1)	Gerngross, Tillman U.				Month Day Year
Marite (line i)	Gerngross, Trilinan C.				07191999
Name (line 2)			· - ·· · · · · · · · · · · · · · · · · ·		
					Execution Date Month Day Year
Name (line 1)	Peoples, Oliver P.				06161999
Name (line 2)					
Receiving Pa	rty(ies)		Mark if additional names	of receiving partie	as attached
	Receiving Party(ies)	(mark ii additional names	or receiving partie	es attached
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					of a domestic representative
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ASSIGNMENT

We, Gjalt W. Huisman of 3370 Brittan Avenue, #18, San Carlos, California 94070-3419, Laura Z. Luo of 3331 Luella, Apt. #4102, Laport, Texas 77571, Daniel M. Horowitz of 435 Washington Street, Apt. #206, Somerville, Massachusetts 02143, Tillman U. Gerngross of 6 Dorrance Place, Hanover, New Hampshire 03755, and Oliver P. Peoples of 27 Radcliffe Road, Arlington, Massachusetts 02174, in consideration of Ten Dollars and other valuable consideration paid to us by Metabolix, Inc., a corporation of the Commonwealth of Massachusetts, having its principal place of business at 303 Third Street, Cambridge, Massachusetts 02142, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Metabolix, Inc., its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF BIOMATERIALS" described in U.S. Application Serial No. 09/281,363 filed in the United States Patent and Trademark Office on March 30, 1999, by Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz, Tillman U. Gerngross, and Oliver P. Peoples, which claims priority to U.S. Provisional Application Serial No. 60/079,938 filed in the United States Patent and Trademark Office on March 30, 1998, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

By: Gjalt W. Huisman, BAKAN KKM Daniel M. Horowitz, Laura Z. Luo,

Tillman U. Gerngross, and Oliver P. Peoples

Filed: March 30, 1999 ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and se	al this 19th day of April , 1999.
	Gjalt W. Huisman
State of California County of Jan Water) _)ss.
the foregoing instrument to be his	the above named Gjalt W. Huisman and acknowledged free act and deed, before me, this day of , 1999.
KILMA V. DESAI COMM. #1064818 NOTACY PUBLIC - CALIFORNIA SAN MATEO COUNTY	Mills
My Commission expires:	Notary Public 12 1999

"MICROBIAL STRAINS AND PROCESSES

FOR THE MANUFACTURE OF BIOMATERIALS"

By: Gjalt W. Huisman, KNIKKKINA, Daniel M. Horowitz, Laura Z. Luo,

Tillman U. Gerngross, and Oliver P. Peoples

Filed: March 30, 1999 ASSIGNMENT

WITNESS my hand and seal this	12 day of May , 19	999.
	1 Doluo	
	Laura Boynton	
Texus	Laura Zhuang Luo	
State of Pennsylvania)	J	
County of //arria)ss.		
Then personally appeared the abo foregoing instrument to be her free act ar, 1999.	ve named Laura Boynton and acknowledged the deed, before me, this day of	he
	Veine Lummus Notary Public	
	notary rubic	
My Commission expires: $3 - 5$	-7001	

By: Gjalt W. Huisman, KANKANINA, Daniel M. Horowitz, Lauro Z. Luo, Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999
ASSIGNMENT

Notary Public My Commission Expires July 8, 2005

4

By: Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz,
Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999

ASSIGNMENT

WITNESS my hand and seal this	19 th day of _	JULY	, 1999.	
	TMZ	Tillman U. Gerngross		
State of New Hampshire)				
County of GRAFTON)ss.				
Then personally appeared the aboacknowledged the foregoing instrument to 19th day of July	to be his free act	-		
		Catole C. Prest Notary Public	, 	
My Commission expires: CAROLE C. PRATT, Notary Public My Commission Expires March 22, 2000				

By: Gjalt W. Huisman, Bana Braton, Daniel M. Horowitz, Laura Z. Luo,
Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999
ASSIGNMENT

. . . .

WITNESS my hand and	seal this _i6 _day of _	JUNE, 1999.
	Olive	Oliver P. Peoples
Commonwealth of Massachuse County of Yhld Losex Then personally appeare the foregoing instrument to be)ss. ed the above named Olive his free act and deed, befo	r P. Peoples and acknowledged ore me, this/6 day of
My Commission expires:	JEAN M. MAHONEY Note Note My Commission Expires July 8, 200	Notary Public